Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SOHCAHTOA and reference angles 9-19-17 hour 1 2 3 4 5 6 7

|  |  |  |  |
| --- | --- | --- | --- |
| POX | Directions1. Plot M(-2, 3)
2. Find related right triangle formed with X AXIS
3. State all three related trigonometric ratios
4. Find acute angle POM formed with X AXIS, ORIGIN and given point M (give exact and approximate)
5. Find the 2nd quadrant angle

 | SOH CAH TOAExact Ratio Exact Ratio Exact RatioShow HOW you got approximate acute angle  related to this point  |  |
| POX | Directions1. Plot R(-3, -5)
2. Find related right triangle formed with X AXIS
3. State all three related trigonometric ratios
4. Find acute angle POR formed with X AXIS, ORIGIN and given point R (give exact and approximate)
5. Find the 3rd quadrant angle

 | SOH CAH TOAExact Ratio Exact Ratio Exact RatioShow HOW you got approximate acute angle  related to this point  | Q3 Q3  |

|  |  |  |  |
| --- | --- | --- | --- |
| POX | Directions1. Plot T(3,-1)
2. Find related right triangle formed with X AXIS
3. State all three related trigonometric ratios
4. Find acute angle POR formed with X AXIS, ORIGIN and given point T (give exact and approximate)
5. Find the 4th quadrant angle

 | SOH CAH TOAExact Ratio Exact Ratio Exact RatioShow HOW you got approximate acute angle  related to this point  | Q4 Q4  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Positive coterminal angle | Negative coterminal angle | 2nd positive coterminal angle | 2nd negative coterminal angle | State angle in approximate radian measure |
| Refer to  |  |  |  |  | Remember this is Q2 angle |
| Refer to  |  |  |  |  | Remember this is Q3 angle |
| Refer to  |  |  |  |  | Remember this is Q4 angle |

BOOK ASSIGNMENT

Section 6.1 p451 #1-15 (exclude 7a) ODDS , 25-73 ODDS

FAILURE TO SHOW PROCESS WHEN NECESSARY will result in 50 for HWK grade